| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|--------------------------------------|---------------------|---------|------------------|
| S1 | 47 | elliott-brig-barnum.in. | US-PGPUB; USPAT; JPO | OR . | OFF | 2007/01/29 10:08 |
| S2 | 9 | (("5619211") or ("6144336") or ("6512920") or ("6597311") or ("6157624") or ("5999797") or ("5506781") or ("5365520") or ("20030137930")).PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/02/03 11:56 |
| S3 | 1 | ("5959576").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/01/29 18:43 |
| S4 | 1017 | 370/216.ccls. | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/29 18:46 |
| S5 | 737 | 370/216.ccls. and @ad<"20030724" and S4 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 07:59 |
| S6 | 1 | S5 and topology adj3 command\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/29 18:47 |
| S7 | 17 | S5 and satellite and re\$2config\$8 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/29 18:48 |
| S8 | 6453 | satellite and re\$2config\$8 and (rout\$5 re\$2rout\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:43 |
| S9 | 1 | (topolog\$5 with satellite) same re\$2config\$8 same (rout\$5 re\$2rout\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/29 18:49 |
| S10 | 17 | (rout\$5 or re\$2rout\$5 or re\$2direct\$5) with topolog\$8 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:09 |
| S11 | 16 | @ad<"20030724" and S10 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/03 11:57 |
| S12 | 6 | ((rout\$5 or re\$2rout\$5 or re\$2direct\$5) with (satellite\$2) with topolog\$8) same (order\$2 sequence\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:26 |
| S13 | 1341 | satellite\$2 with (direction\$5) with (transceiver\$2 or transmitter\$2 or receiver\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:27 |

| S14 | 0 | satellite\$2 with (direction\$5) with (transceiver\$2 or transmitter\$2 or receiver\$2) with (valid\$5 authenticat\$5 verif\$5) with topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:28 |
|-----|------|---|----------------------------|----|-----|------------------|
| S15 | 0 | satellite\$2 with (direction\$5) with (transceiver\$2 or transmitter\$2 or receiver\$2) same (valid\$5 authenticat\$5 verif\$5) same topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:28 |
| S16 | 0 | satellite\$2 same (direction\$5) same (transceiver\$2 or transmitter\$2 or receiver\$2) same (valid\$5 authenticat\$5 verif\$5) same topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:29 |
| S17 | 0 | satellite\$2 same (direction\$5) same (transceiver\$2 or transmitter\$2 or receiver\$2) same (valid\$5 authenticat\$5 verif\$5) and topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:30 |
| S18 | 6 | satellite\$2 same (direction\$5) same (transceiver\$2 or transmitter\$2 or receiver\$2) same topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:36 |
| S19 | 4 | (satellite\$2 same (direction\$5 with (transceiver\$2 or transmitter\$2 or receiver\$2))) same topolog\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:37 |
| S20 | 717 | satellite same (rout\$5 re\$2rout\$5) same (time\$2stamp\$5) same setting\$2 or link\$2state\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:43 |
| S21 | 3 | satellite same (rout\$5 re\$2rout\$5) same (time\$2stamp\$5) same (setting\$2 or link\$2state\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:45 |
| S22 | 1335 | satellite same (location or time or time\$2stamp\$5) same (setting\$2 or link\$2state\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:48 |
| S23 | 3 | satellite same (location or time or time\$2stamp\$5) same (setting\$2 or link\$2state\$2) same topolog\$4 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:45 |
| S24 | 90 | satellite same (location or time or time\$2stamp\$5) same (setting\$2 or link\$2state\$2) same (rout\$5 re\$2rout\$5 re\$2direct\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:50 |
| S25 | 68 | @ad<"20030724" and S24 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:51 |
| S26 | 142 | (rout\$5 re\$2rout\$5 re\$2direct\$5 adjust\$5) with satellite with (state\$2 link near2 state\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:51 |

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| S27 | 269 | (rout\$5 re\$2rout\$5 re\$2direct\$5 adjust\$5) with satellite with (state\$2 link near2 state\$2 setting\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:51 |
| S28 | 194 | @ad<"20030724" and S27 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:52 |
| S29 | 1 | (rout\$5 re\$2rout\$5 re\$2direct\$5 adjust\$5) with satellite with (state\$2 link near2 state\$2 setting\$2) same (validat\$5 authenticat\$5 verif\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:52 |
| S30 | 29 | "370"/\$.ccls. and a@ad<"20030724" and S27 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 14:53 |
| S31 | 22 | "370"/\$.ccls. and @ad<"20030724" and S27 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 15:07 |
| S32 | 7 | (((primary first) and (back\$2up secondary)) near3 satellite\$2) same (rout\$5 re\$2rout\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 15:11 |
| S33 | 3 | (((primary first) and (back\$2up secondary)) near3 satellite\$2) with router\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 15:11 |
| S34 | 3 | (((primary first) and (back\$2up secondary)) with satellite\$2) with router\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/30 15:33 |
| S35 | 1 | ("20040125785").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/01/30 15:33 |
| S36 | 1 | ((high or geo) near3 orbit) same ((medium or low) near3 orbit) same omni\$2direction\$3 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:29 |
| S37 | 0 | ((high or geo) near3 orbit) with (connect\$5 communicat\$5) with ((medium or low) near3 orbit) same omni\$2direction\$3 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:30 |
| S38 | 0 | ((high or geo) near3 orbit) same (connect\$5 communicat\$5) same ((medium or low) near3 orbit) same omni\$2direction\$3 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:30 |
| S39 | 7 | ((high or geo) near3 orbit) same omni\$2direction\$3 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:30 |
| S40 | 7 | (access adj2 link\$2) same omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:35 |

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| S41 | 1 | ((high and low and medium) near3 orbit\$2) same (uni\$2direction\$4 and omni\$2direction\$5 or direction\$5) near3 antenna | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:37 |
| S42 | 2 | ((high and low and medium) with satellite\$2) same (uni\$2direction\$4 and omni\$2direction\$5 or direction\$5) near3 antenna | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:38 |
| S43 | 449 | ((high and low and medium) with satellite\$2) and (uni\$2direction\$4 and omni\$2direction\$5 or direction\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:38 |
| S44 | 15 | ((high and low and medium) with satellite\$2) same (uni\$2direction\$4 and omni\$2direction\$5 or direction\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:38 |
| S45 | 14 | @ad<"20030724" and S44 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:49 |
| S46 | . 12 | ((high and low) near5 satellite\$2) and (uni\$2direction\$5 and omni\$2direction\$5) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:39 |
| S47 | 12 | @ad<"20030724" and S46 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:46 |
| S48 | 142 | satellite\$2 with (connect\$5 communicat\$5) with satellite\$2 with omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF · | 2007/01/31 14:01 |
| S49 | 129 | @ad<"20030724" and S48 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:49 |
| S50 | 0 | satellite\$2 with (connect\$5 communicat\$5) with satellite\$2 with omni\$2direction\$5 with rout\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 13:50 |
| S51 | 11 | (high or geo or medium) with satellite\$2 with (connect\$5 communicat\$5) with satellite\$2 with omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 14:00 |
| S52 | 2004 | 701/13,213.ccls. and @ad<"20030724" | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 14:01 |
| S53 | 10 | "701"/\$.ccls. and satellite\$2 with (connect\$5 communicat\$5) with satellite\$2 with omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 14:02 |

| S54 | 0 | "701"/\$.ccls. and ((high or medium or low or geo) near4 orbit) with (connect\$5 communicat\$5 send\$5 transmit\$5) with ((high or low or medium or geo) near4 orbit) with omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 14:03 |
|-----|-------|---|--------------------------------------|----|-----|------------------|
| S55 | 2 | ((high or medium or low or geo) near4 orbit) with (connect\$5 communicat\$5 send\$5 transmit\$5) with ((high or low or medium or geo) near4 orbit) with omni\$2direction\$5 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 18:13 |
| S56 | 70 | calculat\$5 with velocity with vector with magnitude | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 18:14 |
| S57 | . 1 | calculat\$5 with velocity with vector with magnitude same formula | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 18:15 |
| S58 | 10 | (calculat\$5 with velocity with vector with magnitude) same (equation formula) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/01/31 18:15 |
| S59 | 1 | ("6847867").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/02/01 09:57 |
| S60 | 2004 | 701/13,213.ccls. and @ad<"20030724" | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 09:57 |
| S61 | 121 | 701/13,213.ccls. and @ad<"20030724" and ((omni\$2direction\$4 and uni\$2direction\$5 or direction\$4) near3 antenna) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 09:58 |
| S62 | 112 | 701/13,213.ccls. and @ad<"20030724" and ((omni\$2direction\$4 and uni\$2direction\$5 or direction\$4) near3 antenna) and satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 10:02 |
| S63 | 63 | 701/13,213.ccls. and @ad<"20030724" and (((omni\$2direction\$4 and uni\$2direction\$5 or direction\$4) near3 antenna) same satellite\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 10:12 |
| S64 | 14474 | (add\$6 re\$2config\$5 config\$5) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 10:12 |

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| S65 | 18 | ((determin\$5 detect\$5) with (location position) with orbit\$2) same satellite same (select\$5 choos\$5) with (station\$2 base\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:14 |
| S66 | 17 | @ad<"20030724" and S65 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:16 |
| S67 | 1 | ((determin\$5 detect\$5) with (location position) with orbit\$2) with satellite same (select\$5 choos\$5) with (ground near3 (station\$2 base\$3)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:14 |
| S68 | 1 | ((determin\$5 detect\$5) with (location position) with orbit\$2) with satellite same ((select\$5 choos\$5) with (ground near3 (station\$2 base\$3))) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:16 |
| S69 | 29 | ((select\$5 choos\$5) with (ground near3 (station\$2 base\$3))) same (orbit near3 satellite\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:16 |
| S70 | 28 | @ad<"20030724" and S69 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 12:11 |
| S71 | 13829 | (determin\$5 calculat\$5 detect\$5 estimat\$5) with satellite\$2 with (orbit\$2 location position) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:24 |
| S72 | 33185 | (select\$5 choose\$5 determin\$5 detect\$5 estimat\$5) with (ground adj station\$2 or base\$2 adj station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:24 |
| S73 | 1930 | S71 and S72 and @ad<"20030724" | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:26 |
| S74 | 874 | (S71 same S72) and @ad<"20030724" | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 11:36 |
| S75 | 28 | omni\$2direction\$5 with (between) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 12:11 |
| S76 | 23 | @ad<"20030724" and S75 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 12:11 |
| S77 | 1 | (inter\$2satellite\$2 same ground) with (direction\$4 or uni\$2direction\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:02 |

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| S78 | 1 | (inter\$2satellite\$2 with (direction\$4 or uni\$2direction\$4)) same ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:02 |
| S79 | 4 | (inter\$2satellite\$2 with (direction\$4 or uni\$2direction\$4)) and ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:04 |
| S80 | 2749 | ((satellite\$2 inter\$2satellite\$2) with (direction\$4 or uni\$2direction\$4)) and ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:04 |
| S81 | 1755 | ((satellite\$2 inter\$2satellite\$2) with (direction\$4 or uni\$2direction\$4)) same ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) | US-PGPUB; USPAT; JPO | OR · | OFF | 2007/02/01 14:04 |
| S82 | 60 | ((((high low medium) near3 satellite\$2) or inter\$2satellite\$2) with (direction\$4 or uni\$2direction\$4)) same ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:07 |
| S83 | 47 | @ad<"20030724" and S82 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:08 |
| S84 | 1652 | (direction\$4 or uni\$2direction\$4) same ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:08 |
| S 85 | 1652 | ((ground base\$2) with (uni\$2direction\$4 or direction\$4)) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:08 |
| S86 | 535 | (ground base\$2) with (uni\$2direction\$4 or direction\$4) with antenna with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:11 |
| S87 | 446 | @ad<"20030724" and S86 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:08 |
| S88 | 6 | ((ground base\$2) with (uni\$2direction\$4 or direction\$4) near3 antenna) with (satellite\$2 with router\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:11 |
| S89 | 6 | ((ground base\$2) with (uni\$2direction\$4 or direction\$4) near3 antenna) same (satellite\$2 with router\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:12 |

| S90 | 6 | ((ground base\$2) with | US-PGPUB; | OR | OFF | 2007/02/01 14:12 |
|----------|------|--|--------------------------------------|----|-----|------------------|
| | | ((ground base\$2) with ((uni\$2direction\$4 or direction\$4) near3 antenna)) same (satellite\$2 with router\$2) | USPAT; JPO | | | 2007,02,01 17.12 |
| S91 | 900 | (satellite\$2 near5 router\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:23 |
| S92 . | 3715 | ((ground base\$2) with ((uni\$2direction\$4 or direction\$4) near3 antenna)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:13 |
| S93 | 0 | S91 same S92 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:13 |
| S94 | 2 | S91 and S92 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:13 |
| S95 | . 1 | ("20040102156").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/02/01 14:15 |
| S96 | 0 | (satellite\$2 near5 router\$2) with inter\$2satellite\$2 with (directional or uni\$2direction or uni\$2directional) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:25 |
| S97 | 0 | (satellite\$2 near5 router\$2) same inter\$2satellite\$2 same (directional or uni\$2direction or uni\$2directional) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:25 |
| S98 | 0 | (satellite\$2 near5 router\$2) same inter\$2satellite\$2 same (directional or uni\$2directional direction) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 14:25 |
| S99 | 10 | (satellite\$2 near5 router\$2) and inter\$2satellite\$2 and (directional or uni\$2directional direction) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:01 |
| S10 0 | 122 | satellite with omni-direction\$4 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:02 |
| S10 1 | 0 | @ad<"2003724" and S100 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:02 |
| S10 2 | 92 | @ad<"20030724" and S100 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:07 |
| S10 3 | 26 | (satellite\$2 with omni-direction\$4) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:04 |

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| S10 4 | 20 | @ad<"20030724" and S103 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:02 |
| S10 5 | 5 | (satellite\$2 with omni-direction\$4) with (mobile cell cellular portable) with (terminal phone device unit) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:06 |
| S10 6 | 0 | (satellite\$2 with omni-direction\$4 near3 link\$2) with (mobile cell cellular portable) with (terminal phone device unit) | US-PGPUB; USPAT; JPO | OŖ | OFF | 2007/02/01 16:05 |
| S10 7 | 18 | satellite\$2 with omni-direction\$4 with link\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 16:06 |
| S10 8 | 13 | @ad<"20030724" and S107 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 18:38 |
| S10 9 | 255 | satellite\$2 with ground with (direction\$5 or uni\$2direction\$4) with antenna | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 18:42 |
| S11 0 | 219 | @ad<"20030724" and S109 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 18:42 |
| S11 1 | 86 | satellite\$2 with (ground near3 station\$2) with (direction\$5 or uni\$2direction\$4) with antenna | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 18:42 |
| S11 2 | 74 | @ad<"20030724" and S111 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/01 18:53 |
| S11 3 | 1 | ("20040192197").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/02/01 18:54 |
| S11 4 | 2699 | (select\$5 choos\$3 determin\$5 detect\$5) with (list\$2 group) with ((ground base\$2) near3 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 07:43 |
| S11 5 | 1 | ((high low geo medium) near4 satellite\$2) with (select\$5 choos\$3 determin\$5 detect\$5) with (list\$2 group) with ((ground base\$2) near3 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 07:59 |
| S11 6 | 1 | ((high low geo medium) near4 satellite\$2) same (select\$5 choos\$3 determin\$5 detect\$5) with (list\$2 group) with ((ground base\$2) near3 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 07:59 |

| 644 | 10- | . 111/2 2 | | | 055 | 2007/00/22 27 - |
|----------|-------|---|----------------------------|----|-----|------------------|
| S11 7 | 105 | satellite\$2 same (select\$5 choos\$3 determin\$5 detect\$5) with (list\$2 group) with ((ground base\$2) near3 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 07:59 |
| S11 8 | 73 | @ad<"20030724" and S117 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:05 |
| S11 9 | 13675 | (calculat\$5 estimat\$5 determin\$5 detect\$5) with (orbit location position) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:17 |
| S12 0 | 5389 | (transmit\$5 send\$5 receiv\$5) with (orbit location position) with satellite\$2 with (ground base\$3) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:04 |
| S12 1 | 3164 | S119 same S120 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:04 |
| S12 2 | 696 | (transmit\$5 send\$5 receiv\$5) near3 (orbit location position) near3 satellite\$2 near3 (ground base\$3) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:04 |
| S12 3 | 6179 | (calculat\$5 estimat\$5 determin\$5 detect\$5) near3 (orbit location position) near3 satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:05 |
| S12 4 | 197 | S122 same S123 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:05 |
| S12 5 | 127 | @ad<"20030724" and S124 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S12 6 | 135 | (transmit\$5 receiv\$5 send\$4) with (location position orbit) with (high low medium geo) with satellite\$2 with (ground adj2 station\$2 or base\$3 adj2 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:08 |
| S12 7 | 151 | (transmit\$5 receiv\$5 send\$4) with (location position orbit) with (high low medium geo\$5) with satellite\$2 with (ground adj2 station\$2 or base\$3 adj2 station\$2) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:09 |
| S12 8 | 119 | @ad<"20030724" and S127 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:19 |
| S12 9 | 1367 | (calculat\$5 estimat\$5 determin\$5 detect\$5) with (orbit location position) with (high medium low geo\$6) with satellite\$2 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:18 |

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| S13 0 | 63 | ((calculat\$5 estimat\$5 determin\$5 detect\$5) with (orbit location position) with (high medium low geo\$6) with satellite\$2) same ((transmit\$5 send\$4 receiv\$5) with satellite\$2 with (location position orbit) with (ground base\$3) near3 (station\$2 receiver\$2)) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:19 |
| S13 1 | 40 | @ad<"20030724" and S130 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 08:19 |
| S13 2 | 1104 | (transmit\$5 transmi\$5 send\$5) with satellite\$2 with (orbit\$4 location position) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:09 |
| S13 3 | 40 | (transmit\$5 transmi\$5 send\$5) with satellite\$2 with (orbit\$4 location position) with ground with (pre\$2determin\$5 pre\$2store\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:20 |
| S13 4 | 37 | @ad<"20030724" and S133 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:09 |
| S13 5 | 1104 | (transmit\$5 transmi\$5 send\$5) with satellite\$2 with (orbit\$4 location position) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S13 6 | 701 | (transmit\$5 transmi\$5 send\$5) with (satellite\$2 near4 (orbit\$4 location position)) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S13 7 | 392 | (transmit\$5 transmi\$5 send\$5) near4 (satellite\$2 near4 (orbit\$4 location position)) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S13 8 | 131 | (transmit\$5 transmi\$5 send\$5) near (satellite\$2 near4 (orbit\$4 location position)) with ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S13 9 | 113 | @ad<"20030724" and S138 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:22 |
| S14 0 | 35 | (transmit\$5 transmi\$5 send\$5) near (satellite\$2 near4 (orbit\$4 location position)) near ground | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:21 |
| S14 1 | 30 | @ad<"20030724" and S140 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 10:22 |
| S14 2 | 1 | ("20020170060").PN. | US-PGPUB; USPAT; USOCR; JPO | OR | OFF | 2007/02/02 15:38 |

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| S14 3 | 1301 | (determin\$5 calculat\$5 detect\$5 estimat\$5) with (high\$3 medium low) with satellite\$2 with (orbit\$4 location\$4 position\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:40 |
| S14 4 | 199 | (transmi\$5 receiv\$5 send\$5) with (high\$4 low medium) with satellite\$2 with (location\$4 position\$4 orbit\$4) with (ground aperature) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:47 |
| S14 5 | 30 | S143 same S144 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:41 |
| S14 6 | 27 | @ad<"20030724" and S145 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:50 |
| S14 7 | 0 | (transmi\$5) near (high\$4 low medium geo\$8) near satellite\$2 near (location\$4 position\$4 orbit\$4) near (ground aperature) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:49 |
| S14 8 | 1837 | (transmi\$5) with (high\$4 low medium geo\$8) with satellite\$2 with (location\$4 position\$4 orbit\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:50 |
| S14 9 | 163 | (transmi\$5) with (high\$4 low medium geo\$8) with satellite\$2 with (location\$4 position\$4 orbit\$4) with (ground adj station\$2 or ground adj based or ground) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 15:50 |
| S15 0 | 137 | @ad<"20030724" and S149 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 16:00 |
| S15 1 | 530 | (down near2 link\$2 or down\$2link\$2) with satellite\$2 with (location\$4 position\$2 orbit\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 16:00 |
| S15 2 | 444 | @ad<"20030724" and S151 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 16:00 |
| S15 3 | 227 | (down near2 link\$2 or down\$2link\$2) with satellite\$2 with (orbit\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/02 16:01 |
| S15 4 | 381 | satellite\$2 with (rout\$4) with (table\$2 path\$2) | US-PGPUB; USPAT; JPO | OR . | OFF | 2007/02/03 11:57 |
| S15 5 | 313 | @ad<"20030724" and S154 | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/03 11:57 |
| S15 6 | 70 | satellite\$2 with (rout\$4) with (table\$2 path\$2) with (orbit\$4 location\$4 position\$4) | US-PGPUB; USPAT; JPO | OR | OFF | 2007/02/03 11:57 |

| S15 7 | . 63 | @ad<"20030724" and S156 | US-PGPUB; USPAT; | OR | OFF | 2007/02/03 11:57 |
|----------|------|-------------------------|---------------------|----|-----|------------------|
| | | | JPO | | | |